

What is claimed is:

1. A power-saving task processing system comprising:

(a) a remaining power detector for detecting remaining power
5 of a battery;

the remaining power detector outputting a detection result
about a value or state of the remaining power of the battery;

(b) a motion information storage for storing a motion
information table;

10 the motion information table defining a relationship
between values or states of the remaining power of the battery on
execution of a task and processes for which complete execution is
ensured at the respective values or states of the remaining power
of the battery; and

15 (c) a task controller for controlling execution of tasks to be
executed;

wherein when the task controller executes a task, the task
controller chooses and executes one of the processes from the motion
information table according to the detection result of the remaining
20 power detector.

2. The system according to claim 1, wherein an additional motion
information table is stored in the motion information storage;
and wherein the additional motion information table defines

a relationship between values or states of the remaining power of the battery on execution of a task and repetition frequency of a process for which complete execution is ensured at the respective values or states of the remaining power of the battery.

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3. The system according to claim 1, wherein the motion information table includes a relationship between the values or states of the remaining power of the battery on execution of a task and repetition frequency of each of the processes at the respective values or states of the remaining power of the battery.

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4. A power-saving task processing system comprising:

(a) a remaining power detector for detecting remaining power of a battery;

15 the remaining power detector outputting a detection result about a value or state of the remaining power of the battery;

(b) a motion information storage for storing a motion information table;

20 the motion information table defining a relationship between values or states of the remaining power of the battery on execution of a task and repetition frequency values of a task for which complete execution is ensured at the respective values or states of the remaining power of the battery; and

(c) a task controller for controlling execution of tasks to be

executed;

wherein when the task controller executes a task, the task controller chooses and executes one of the processes from the motion information table according to the detection result of the remaining power detector.

5. A power-saving task processing method comprising the steps of:

(a) monitoring remaining power of a battery to output a monitoring result about a value or state of the remaining power of the battery;

(b) providing a motion information table;

the motion information table defining a relationship between values or states of the remaining power of the battery on execution of a task and processes for which complete execution is ensured at the respective values or states of the remaining power of the battery; and

(c) controlling execution of tasks to be executed;

wherein when a task is executed, one of the processes is chosen and executed from the motion information table according to the monitoring result of the remaining power detector.

6. The method according to claim 5, wherein a relationship between values or states of the remaining power of the battery on execution of a task and repetition frequency of a process for which complete

execution is ensured at the respective values or states of the remaining power of the battery is monitored in the step (a).

7. The method according to claim 5, wherein the motion information table includes a relationship between the values or states of the remaining power of the battery on execution of a task and repetition frequency of each of the processes at the respective values or states of the remaining power of the battery.

10 8. A power-saving task processing method comprising the steps of:

(a) monitoring remaining power of a battery to output a detection result about a value or state of the remaining power of the battery;

(b) providing a motion information table;

15 the motion information table defining a relationship between values or states of the remaining power of the battery on execution of a task and repetition frequency values of a task for which complete execution is ensured at the respective values or states of the remaining power of the battery; and

20 (c) controlling execution of tasks to be executed;

wherein when a task is executed, one of the processes is chosen and executed from the motion information table according to the monitoring result of the remaining power detector.

9. A computer program product having a computer readable medium and a computer program recorded thereon; the computer program being operable for power-saving task processing, the product comprising:

5 (a) code that monitors remaining power of a battery to output a monitoring result about a value or state of the remaining power of the battery;

(b) code that provides a motion information table; the motion information table defining a relationship between values or states of the remaining power of the battery on 10 execution of a task and processes for which complete execution is ensured at the respective values or states of the remaining power of the battery; and

(c) code that controls execution of tasks to be executed; wherein when a task is executed, one of the processes is 15 chosen and executed from the motion information table according to the monitoring result of the remaining power detector.

10. The product according to claim 9, wherein a relationship between values or states of the remaining power of the battery on 20 execution of a task and repetition frequency of a process for which complete execution is ensured at the respective values or states of the remaining power of the battery is monitored in the step (a).

11. The product according to claim 9, wherein the motion

information table includes a relationship between the values or states of the remaining power of the battery on execution of a task and repetition frequency of each of the processes at the respective values or states of the remaining power of the battery.

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12. A computer program product having a computer readable medium and a computer program recorded thereon; the computer program being operable for power-saving task processing, the product comprising:

- (a) code that monitors remaining power of a battery to output 10 a detection result about a value or state of the remaining power of the battery;
- (b) code that provides a motion information table; the motion information table defining a relationship between values or states of the remaining power of the battery on 15 execution of a task and repetition frequency values of a task for which complete execution is ensured at the respective values or states of the remaining power of the battery; and
- (c) code that controls execution of tasks to be executed; wherein when a task is executed, one of the processes is 20 chosen and executed from the motion information table according to the monitoring result of the remaining power detector.